

**DESCRIPTIVE TITLE OF INVENTION**

**OVERsite COVER** is exactly what the title says, a cover to place over the site, specifically at this time, the site of the smallpox vaccination.

**BACKGROUND OF INVENTION****OVRsite COVER™**

This invention relates to a cover to protect the forming wet pustule resulting from the administration of the vaccination for smallpox.

More particularly, this cover relates to the protection as being a non-crushable clear, vented cover, with holes or openings to allow the circulation of air to assist in drying the wet surface of the vaccination pustule; and secondly the protection of the site from touch by clothing, hands, or other mechanisms which could harm the healing area, yet allow the observation of the healing process without removing the protective cover; and thirdly a prevention method against the dissemination of the viral particles from the surface of the healing pustule.

Many types of bandages, and covers are available for the protection of wounds. Wound wrappings of all types used as protection and to assist healing, have included moss, leaves, skins, cloth rags, coming to the formal sterilized gauze pads, cellulose packs, absorbent drainage pads, and the use of the synthetic polymer covers of the 21<sup>st</sup> century which are now provided by commercialized vendors. The smallpox vaccination site has been covered traditionally with gauze pads, to prevent the touch by clothing or hands during the healing period. The marketing of the clear self adhering covers called Op-Cite™ or Tegaderm™ and others of similar synthetic polymers has been directed toward use over the smallpox vaccination site, as a dressing of choice.

Authorities such as the Centers for Disease and Prevention, Atlanta, GA. (CDC) and the Advisory Committee on Immunization Practice (ACIP) have published their recommendations for the type of dressing or cover to use over the healing site. In these recommendations the traditional approach is maintained as gauze which is porous, to be removed daily for inspections, and the site is to be covered until the healed scab falls off the site. Gauze adheres to the wet and drying surface of the pustule which is pulled off each time the gauze dressing is removed, which would be daily. With such a dressing, the viral particles which are in the wet drainage and on the surface of the open pustule, are at risk for becoming air borne into the immediate area, raising the risk of exposure to others. Some who have used the traditional dressings have had no problem with the forming scab being pulled off with the dressing removal. Others however have had the scab pulled off and the healing process continually retarded with daily removal of the cover.

## **Background 2.**

**In the decades of the 1920s until 1977, when smallpox vaccinations were ceased, a cover similar to the OVRsite COVER™ was marketed with great success and very little problem to the individuals. This cover had no patent nor copyright. The OVRsite COVER™ is a redesign of this effective protection for the smallpox vaccination site.**

**The urgency of preparing for terrorists attacks using biologicals such as smallpox against a population, requires that all factors be considered including the need for a simple, effective, convenient, economical approach to handling vaccinated civilians and military. There will be civilians caring for civilians. Changing of dressings on smallpox vaccination sites, daily, will create a burden for the healthcare teams, a burden which will be delegated to those civilians. The use of a single dressing which can be kept in place, yet allows for inspection of the site without removal of the dressing, and protects the site from touch even in the bath or shower will relieve the untrained care giver or over seer who will have the responsibility. Such a dressing will be practical and desired.**

**It is the principle objective of the present invention, OVRsite COVER™, to provide the practical dressing which will meet the criteria of the oversight agencies with porosity, no touch, visual observation, protection.**

**The present invention is recognized to be subject to many changes and modifications, without departing from the spirit or essential characteristics of the present invention, OVRsite COVER™, as set forth in the appended claim.**

## **STATEMENT OF FEDERAL SPONSORED R & D**

**There has been no sponsorship of the research and development of this cover. All research and development has been by the principle inventor who is a licensed healthcare provider with over 58 years of healthcare experience here in the United States and abroad, as a practitioner, professor, and administrator.**

## **SUMMARY OF THE INVENTION**

### **OVRsite COVER™**

In accordance with the foregoing background description the invention, OVRsite COVER™, provides a unique protective dressing cover for the smallpox vaccination site. The cover is formed from non-crushable plastic in the shape of a small dome. The dome has side phalanges over which tape is placed to secure the dome over the healing site of the vaccination, and the rising pustule. The dome is vented with holes or openings to allow air circulation. The dome is clear. The dome does not touch the healing pustule.

The domed, clear, non-crushable dressing is sized for adult, child, or infant. The domed, clear, non-crushable dressing can be kept in place during bath or shower.

In some vaccinations there may be excessive exudate from the pustule, as the scab is forming. The domed, clear, non-crushable dressing can be lifted at one side by releasing the tape over the phalange. The exudate is swabbed away by using a sterile pad or swab. The domed cover is retaped in place, and healing scab is undisturbed.

## **WHAT IS CLAIMED**

### **OVRsite COVER™**

1. A non-crushable, clear, dome shaped dressing which is vented with holes or openings, which is placed over the healing pustule resulting from a smallpox vaccination.
  - a. The cover, fashioned of non-crushable plastic in the shape of a dome, or cup, with two side projections or phalanges which lie flat on the skin, over which tape is used to secure the dome in place over the healing vaccination site. The dome does not touch the healing site.
  - b. The cup or dome is vented with holes or openings in a regular pattern over the top of the dome. This allows air circulation for healing of the vaccination.
  - c. The dome is fashioned to rise over the pustule without touching the surface of the pustule. The height and diameter are formed in sizes to accommodate adult or child vaccinations.
  - d. The domed, clear, vented, non-crushable cover is designed to be a one time use by a single individual. The cover is disposable.
  - e. The design of the cup or domed, vented, clear, cover can be lifted by releasing the tape over one of the side projections, in order to swab or cleanse excess exudate from the healing pustule: then re-

- tape the side phalange (projection.)
2. The domed, clear, non-crushable, vented cover, according to Claim 1 defines the healing pustule of the vaccination to dry scab, as the area for protection.
  3. Formed of non-crushable plastic, vented, clear and shaped to prevent touch of the healing vaccination site, providing protection during bathing or showering.
  4. The domed, clear, vented, non-crushable cover is not designed as "left" or "right" therefore will fit over any vaccination site.
  5. The domed, vented, clear, non-crushable cover is formed as a single cup like cover with 2 side projections (phalanges) to allow tape to secure the cover to the skin.
  6. The domed, vented, clear, non-crushable cover is formed of environmentally safe material, allowing for disposal in the regular trash, or land fill.

**ABSTRACT**  
**OVRsite COVER™**

**What is claimed is:**

A domed, cup shaped, clear, non-crushable, vented with holes or openings to place over the healing pustule of the vaccination site for smallpox, is provided as a protective dressing to prevent touch by clothing or hands, and to restrict the risk of dissemination of the viral particles from the vaccination site.

The cover is formed of non-crushable plastic with 2 side projections (phalanges) to be used to tape the dome securely to the skin.

The cover is single use, disposable, environmentally safe, and economical.

The cover is clear allowing daily inspection of the healing site without removal of the dressing, thus disturbing the healing process.

The cover is non-crushable preventing clothing, hands or anyother touch on the site of the vaccination site. The cover allows safe bathing or showering.

## **PATENT SEARCHES**

### **HEALTH PROCEDURES, DRESSINGS, WOUND COVERS**

**Patent search October 2002, through March 2003 for time period of 1920 through 1977 revealed no such protective cover or dressing had received a patent nor was under patent.**

**There are many wound dressings marketed under company trademarks. None of such dressings or bandages or covers for wounds, or vaccinations are similar or resemble this cover. None of the marketed dressings or wound covers are specific for the cover or protection of the smallpox vaccination site.**

**Reference To Sequence Listing:**

**OVRsite COVER**

- 1. Utility Patent Application Transmittal**
- 2. Fee Transmittal with accompanying check for \$375.00.**
- 3. Claim for Small Entity Status on Fee Transmittal**
- 4. Specifications:**
  - a. Descriptive Title of Invention OVRsite COVER**
  - b. Background of Invention**
  - c. Statement of Federal sponsored R & D**
  - d. Summary of Invention**
  - e. What is Claimed**
  - f. Abstract**
  - g. Patent Searches**
  - h. Disclosure Document No 524180 copy**
  - i. Declaration Utility or Design Patent Application**
  - j. Description of Drawings**
- 5. Drawings one page only**
- 6. Application Data Sheet, CFR 1.78**

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## **Description of Drawings**

### **OVRsite COVER**

**FIG. 1 depicts the following as numbered: A top of dome view**

- 1. Flanges (phalanges) one each, 5/8" on opposite sides of dome**
- 2. Air vents approximately 30 on each side of dome**
- 3. Flat edge of dome 1/8" width to prevent skin abrasion**
- 4. Dome 1 7/8" in diameter not including flanges or flat edge**

**OVRsite COVER is constructed of clear plastic, non-crushable material selected for durability, and low cost.**

**FIG. 2 depicts the following as numbered: A side of dome view**

- 1. Flanges (phalanges) one each 5/8" on opposite sides of dome**
- 2. Air vents view showing one side with such vents**
- 3. Flat edge of dome 1/8" in width for skin protection**
- 4. Dome rising 1" from skin area**